

FIBER COATING METHOD AND REACTOR

ABSTRACT OF THE DISCLOSURE

In a method of coating a CMC fiber, the fiber is passed through a reaction zone along a path substantially parallel to a longitudinal axis of the zone, a flow of fiber coating reactant is passed through the reaction zone, at least a portion of the flow of reactant is disrupted from a path substantially parallel to the fiber path to
5 create a mixing flow adjacent the fiber. A coating reactor includes a reactor chamber to accommodate a fiber passing along a path substantially parallel to a longitudinal axis of the chamber and a flow of fiber coating reactant. The reactor chamber further includes a flow disrupter located within the reactor chamber to disrupt at least a portion of the flow of reactant from a path substantially parallel to the fiber path to
10 create a mixing flow adjacent the fiber.